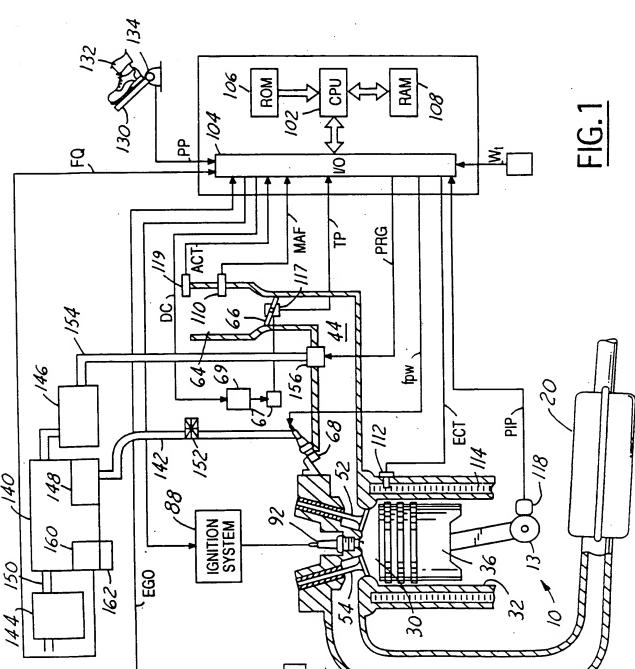


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"Control With Fuel Quality Sensor"
Approximate: Kotwicki et al.





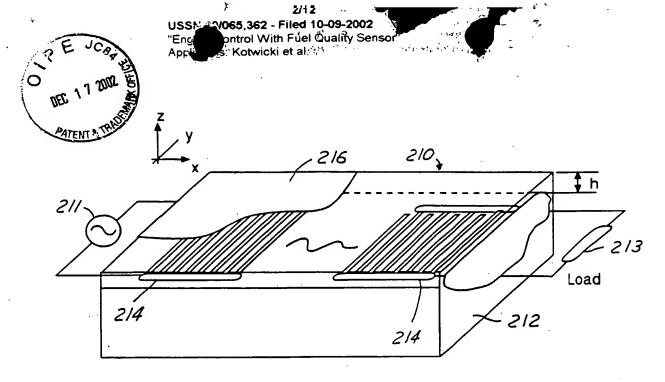
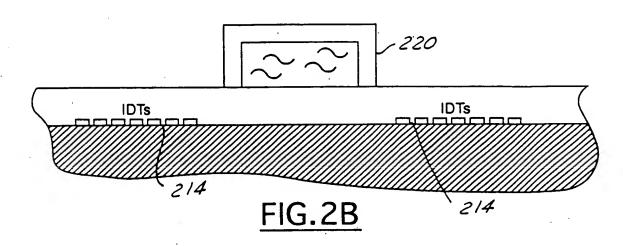
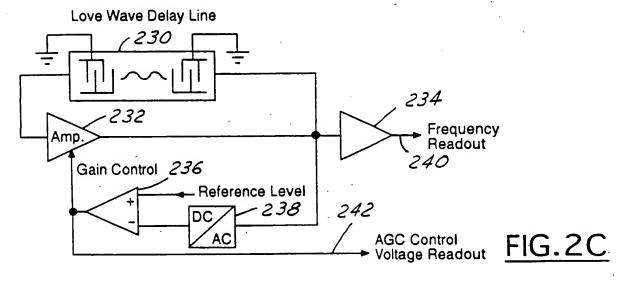


FIG.2A





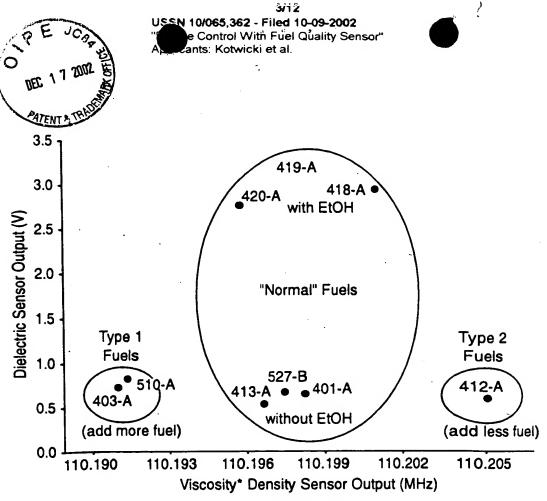


FIG.3

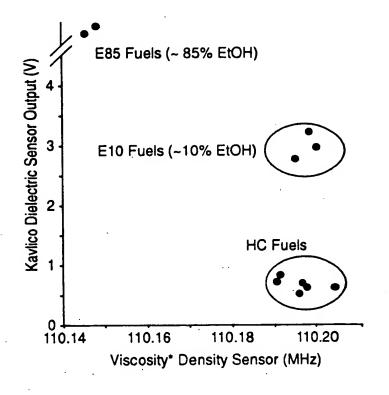
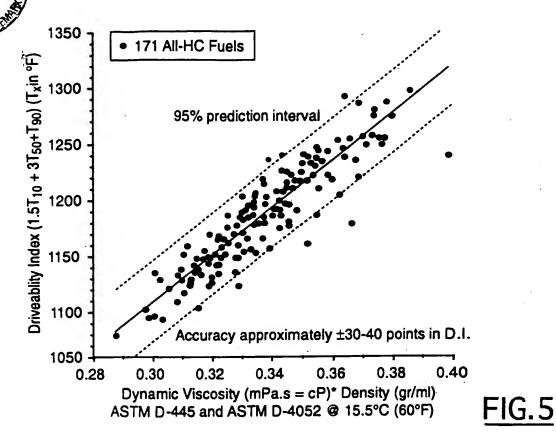
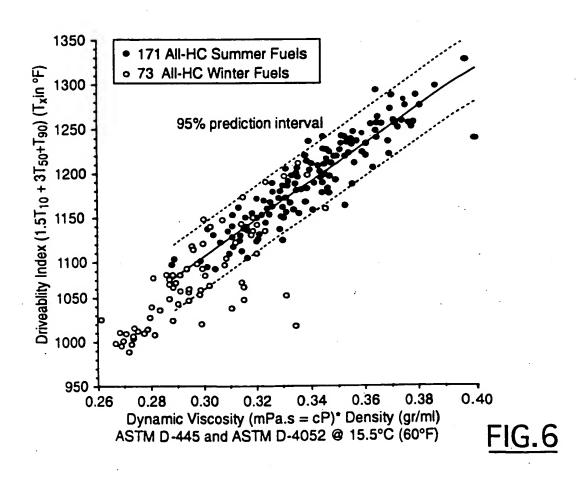


FIG.4

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"Engine Control With Fu I Quality S nsor"
Applicants: Kotwicki et al.





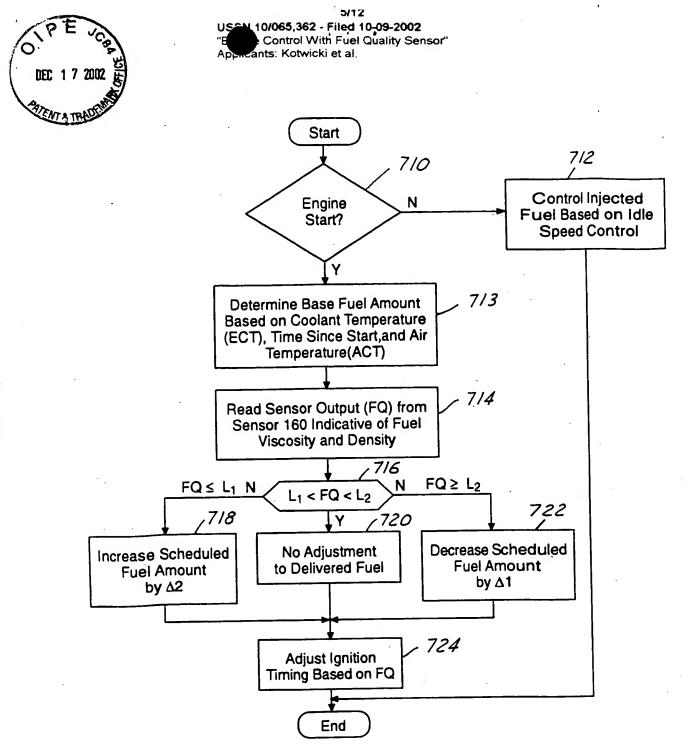
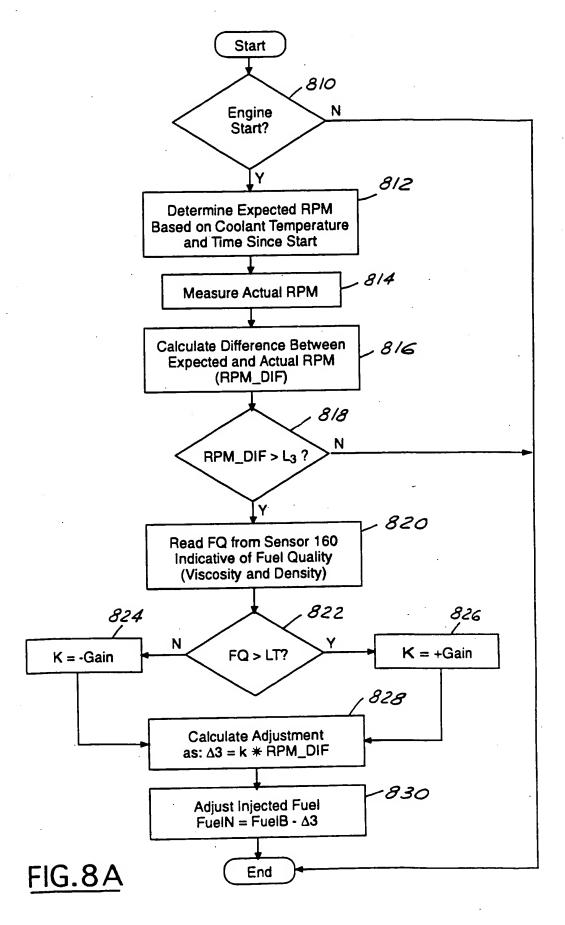
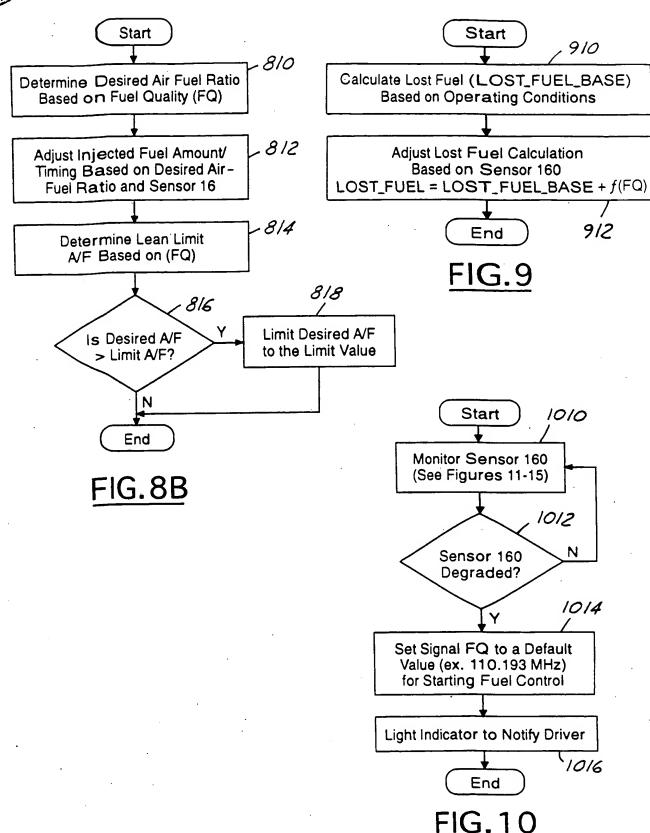


FIG.7









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"Fee Control With Fuel Guality Sensor"
A ants: Kotwicki t al.

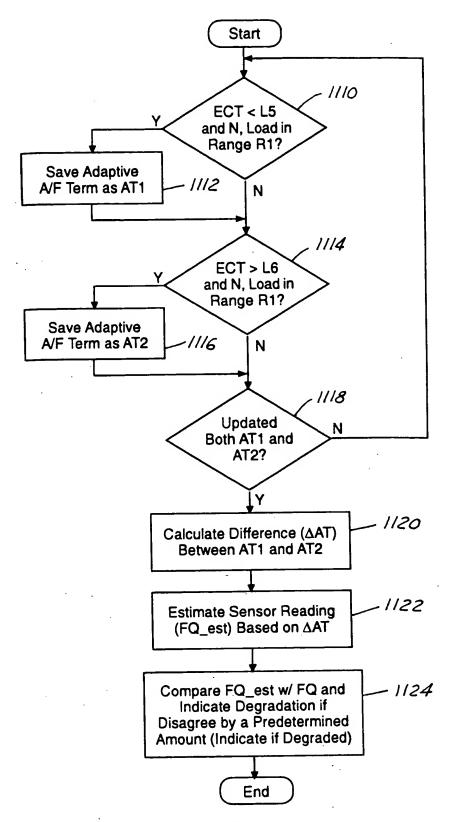
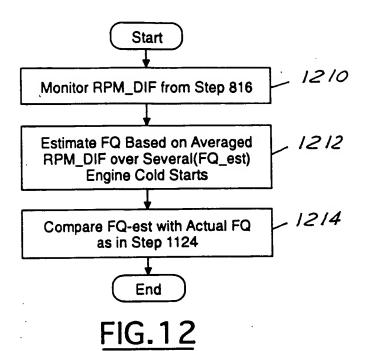


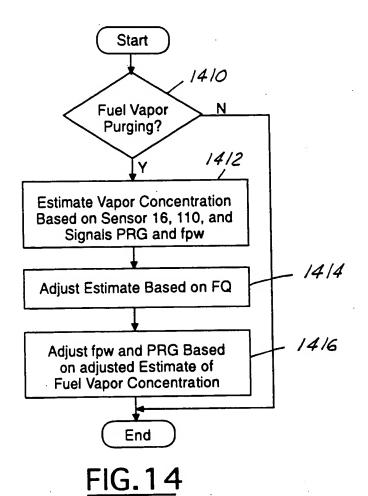
FIG. 11



5/12 USSN 10/065,362 - Filed 10-09-2002 ne Control With Fuel Quality Sensor' pricants: Kotwicki et al.



Start 1310 Monitor FQ from Sensor 160 over Various Engine Starts 1312 Has Sensor Reading Changed by < L7 over these Starts? N 1314 1316 Has Sensor **Indicate Degradation** Reading Changed by as in Step 1124 > L8 over these Starts? End FIG. 13



Liquid Fuel [Gasoline]

Viscously-Entrained
Liquid

AT-Quartz

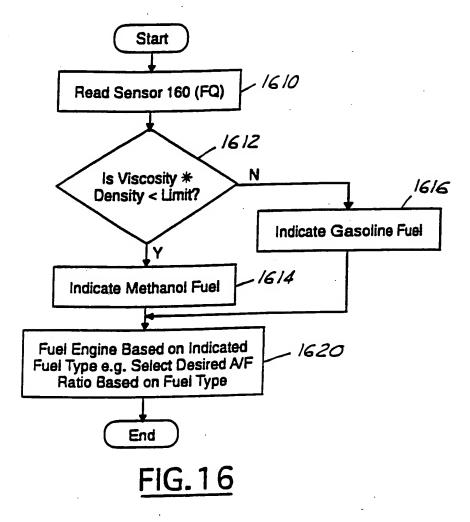
Displacement
Ux (y)

FIG. 15



USSN 10/065,362 - Filed 10-09-2002

"Example Control With Füel Quality Sensor"
A. Lants: Kotwicki et al.



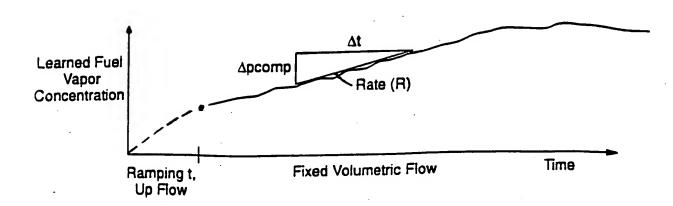


FIG. 17A



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"Eng Control With Fuel Quality Sensor"
Applicants: Kotwicki et al.

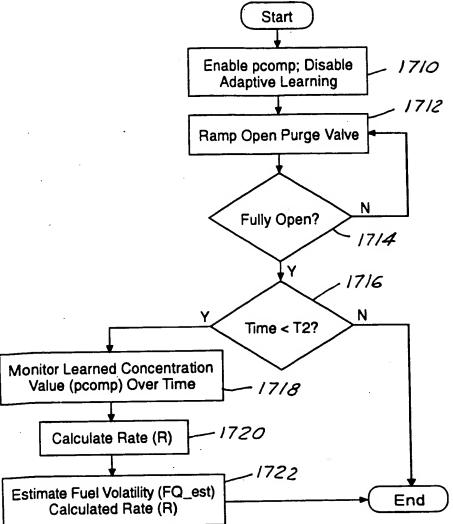


FIG. 17B